

BLOCK DIAGRAM OF CONVENTIONAL
IMAGE ENCODING APPARATUS

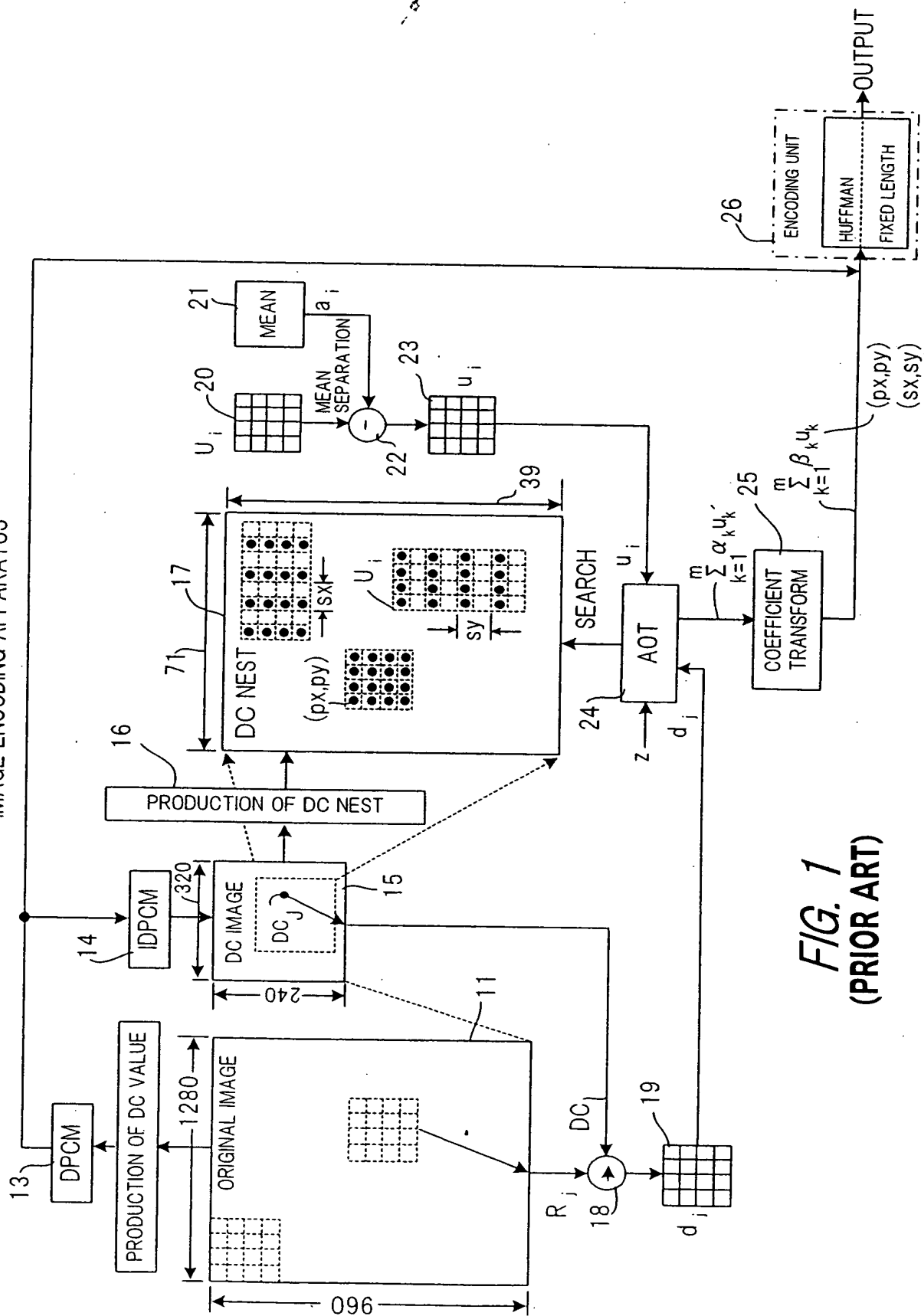


FIG. 1
(PRIOR ART)

FLOW CHART OF CONVENTIONAL ADAPTIVE ORTHOGONAL TRANSFORM PROCESSING

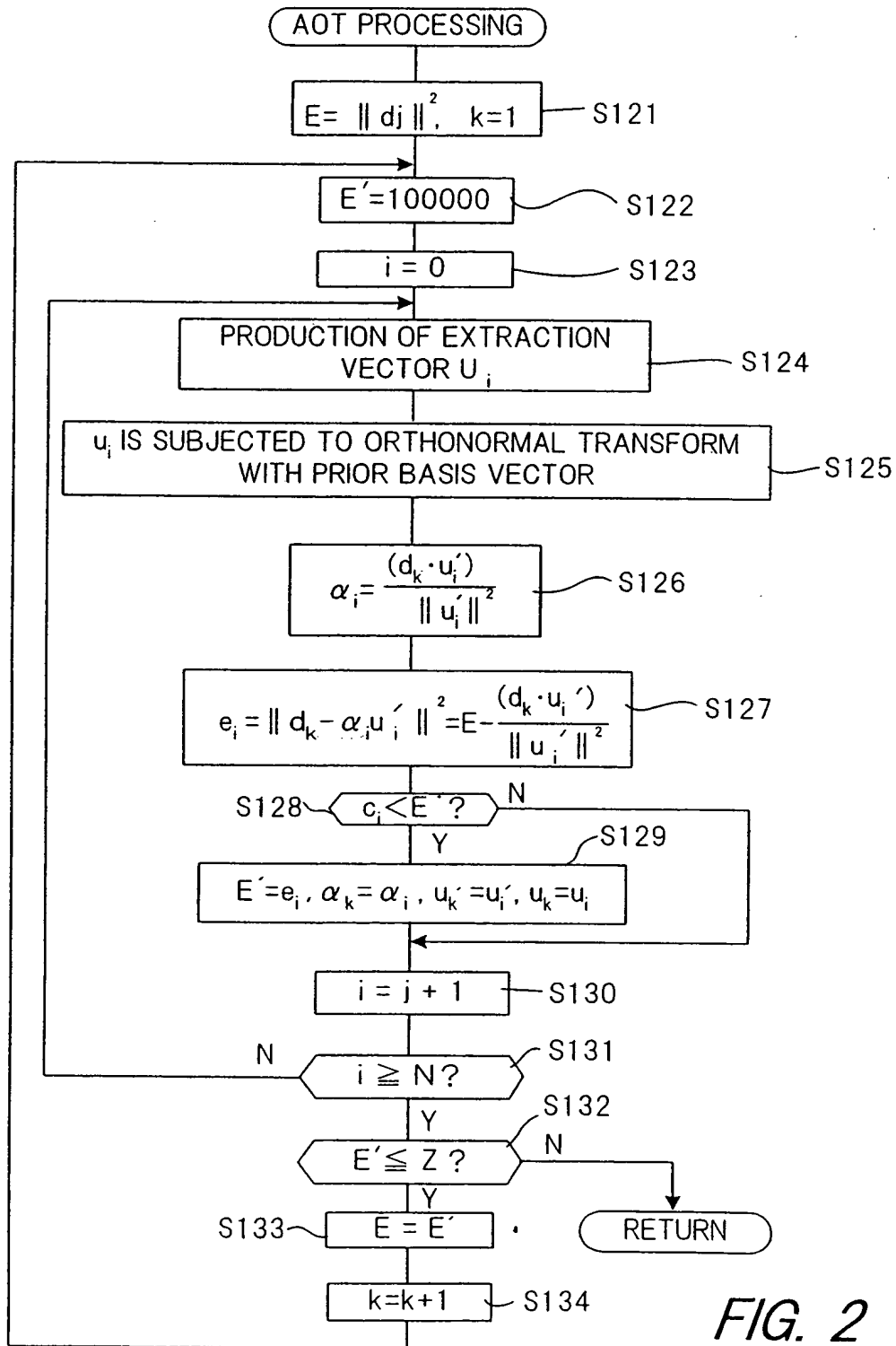


FIG. 2
(PRIOR ART)

IMAGE VIEW OF CONVENTIONAL ADAPTIVE ORTHOGONAL TRANSFORM PROCESSING

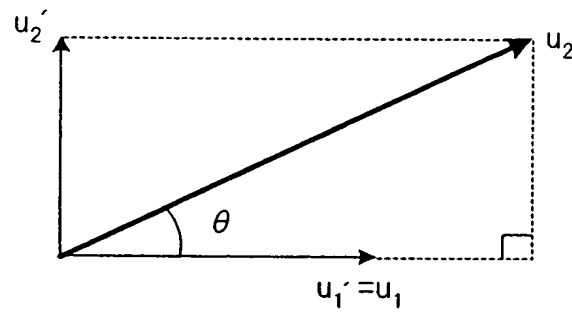


FIG. 3A
(PRIOR ART)

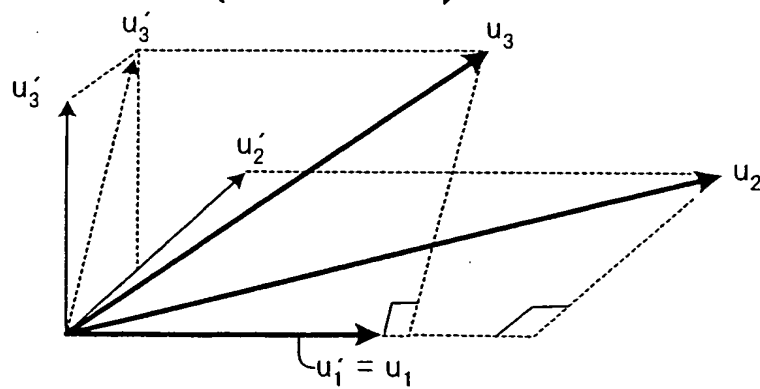


FIG. 3B
(PRIOR ART)

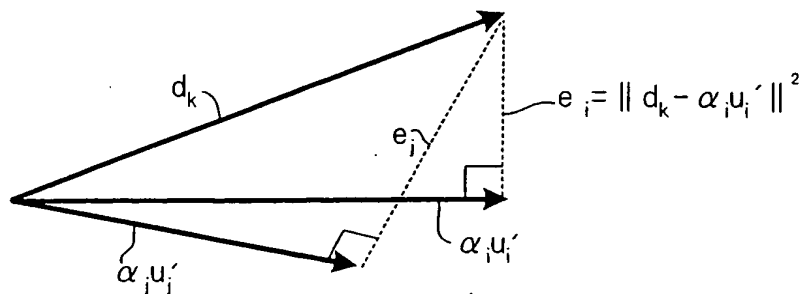


FIG. 3C
(PRIOR ART)

IMAGE VIEW OF CONVENTIONAL ADAPTIVE ORTHOGONAL TRANSFORM PROCESSING

FIG. 4(a)
(PRIOR ART)

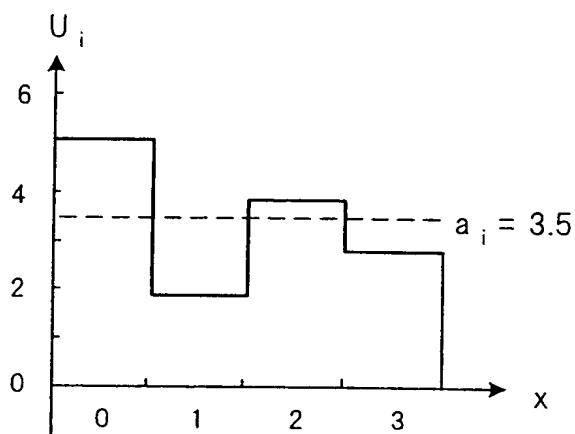


FIG. 4(b)
(PRIOR ART)

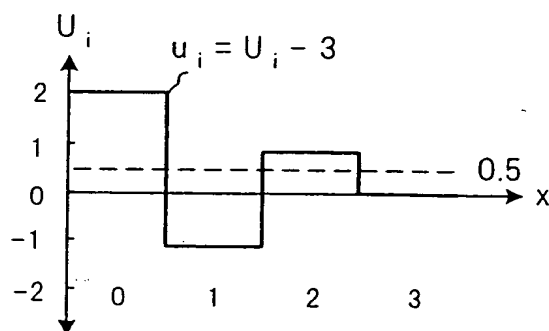


FIG. 4(c)
(PRIOR ART)

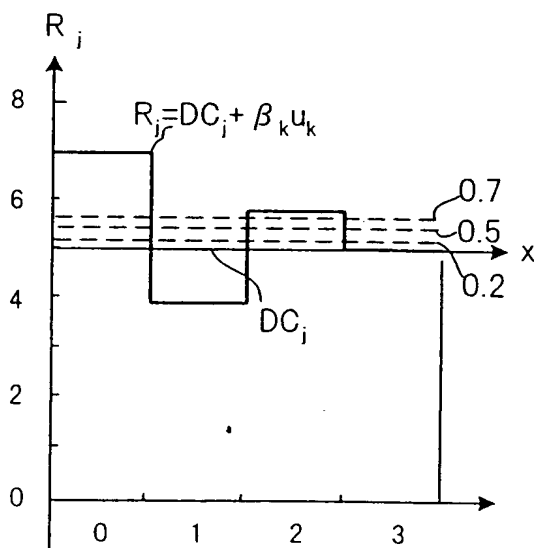
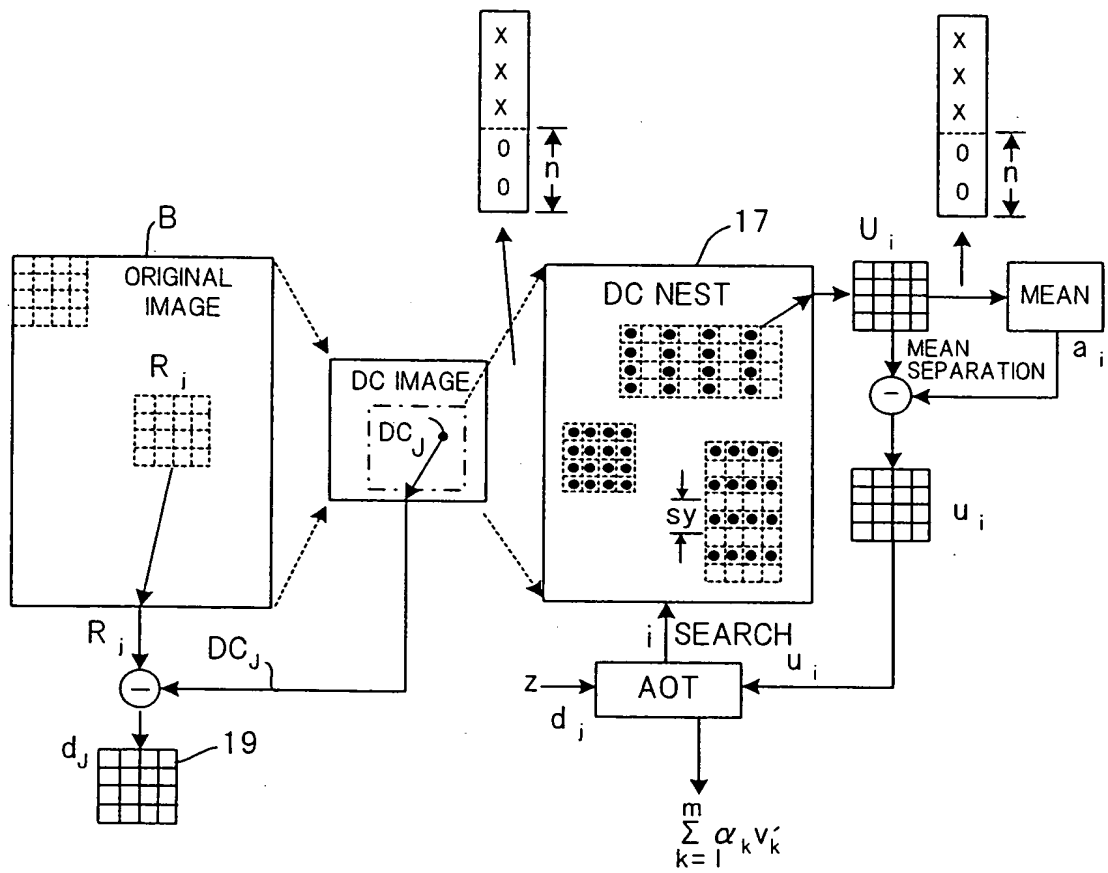
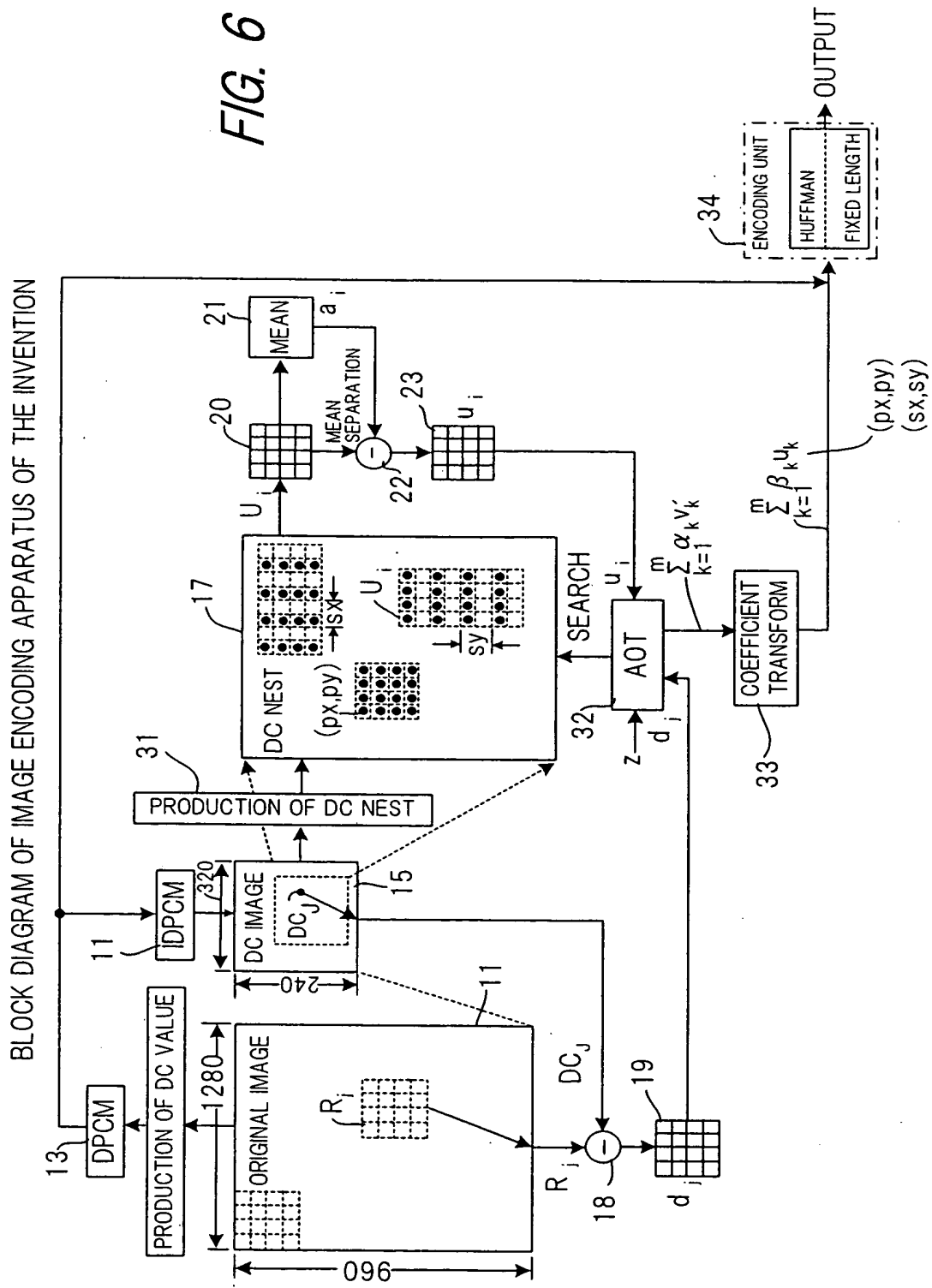


FIG. 5

VIEW FOR EXPLAINING PRINCIPLE OF THE INVENTION





BLOCK DIAGRAM OF IMAGE ENCODING PROCESSING IN THE INVENTION

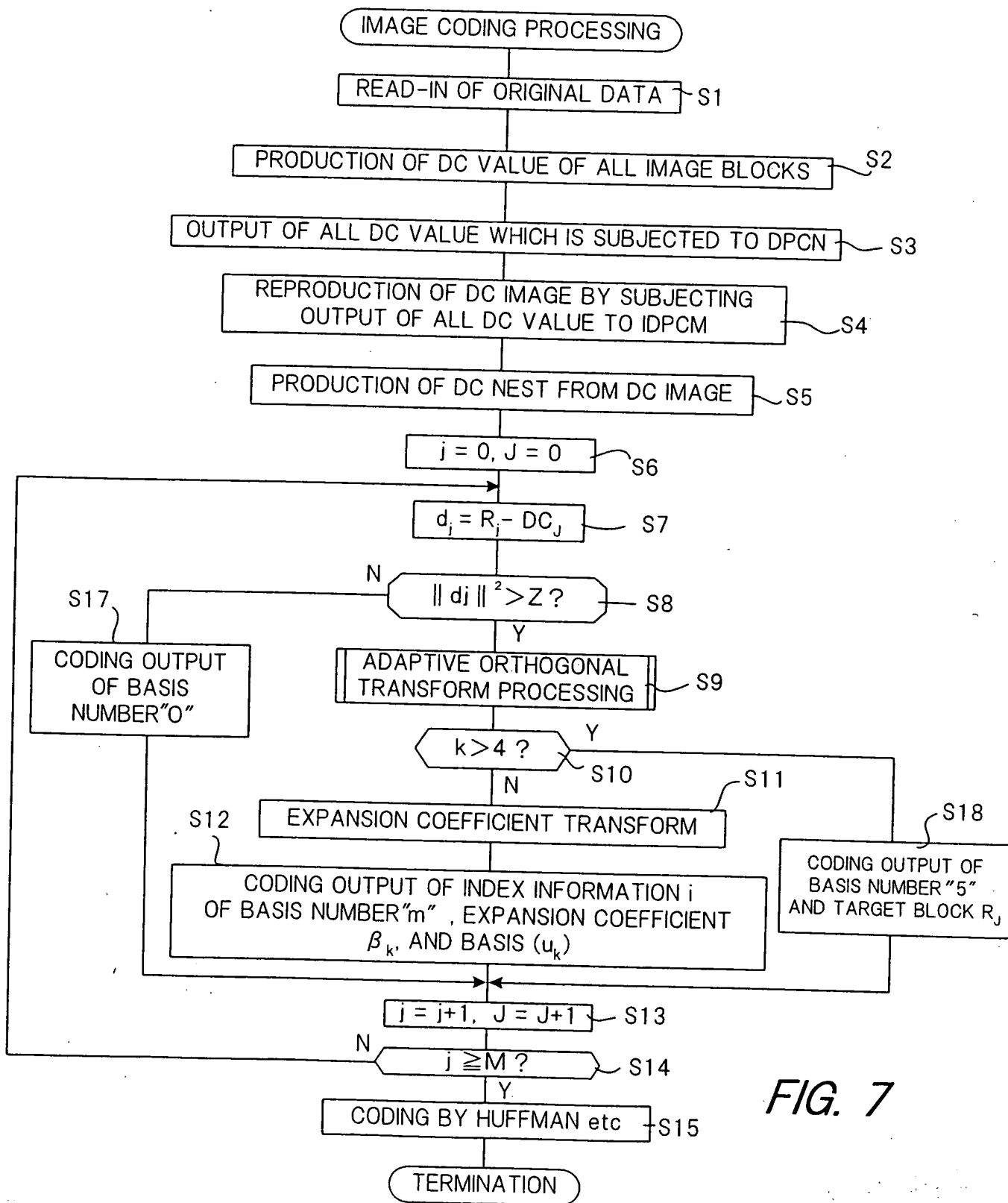


FIG. 7

FLOW CHART(1) OF ADAPTIVE ORTHOGONAL
TRANSFORM PROCESSING IN THE INVENTION

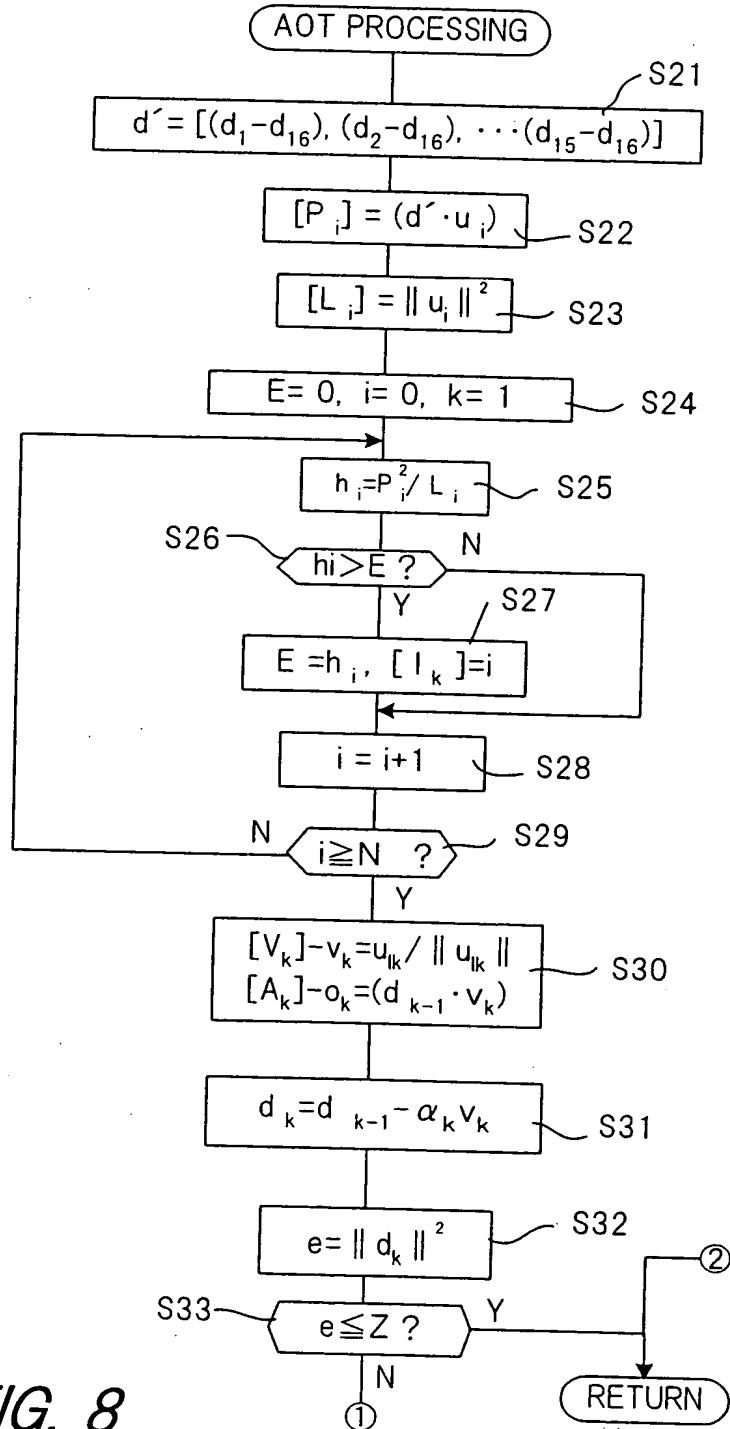


FIG. 8

FLOW CHART(2) OF ADAPTIVE ORTHOGONAL TRANSFORM
PROCESSING IN THE INVENTION

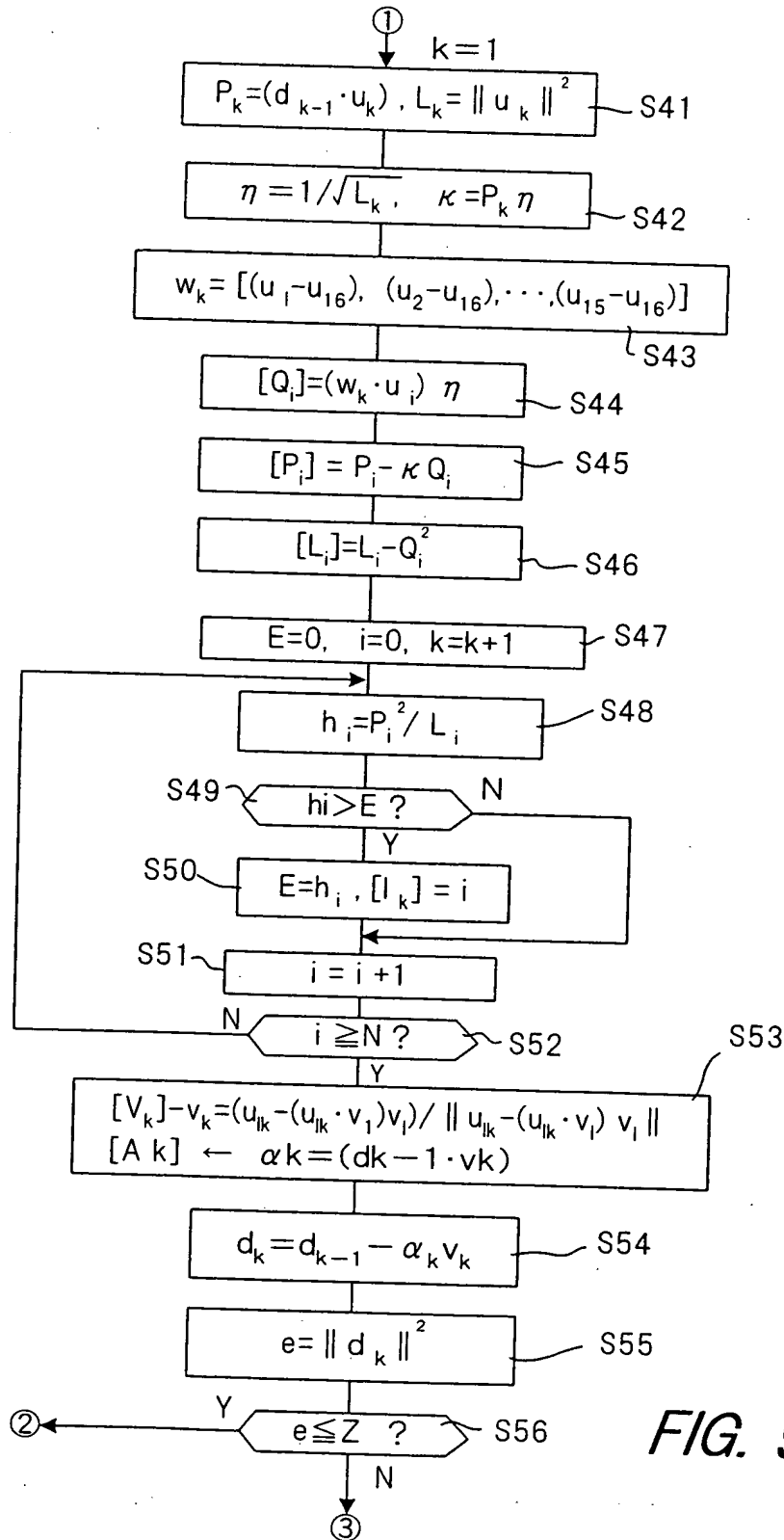


FIG. 9

FLOW CHART(3) OF ADAPTIVE ORTHOGONAL TRANSFORM
PROCESSING IN THE INVENTION

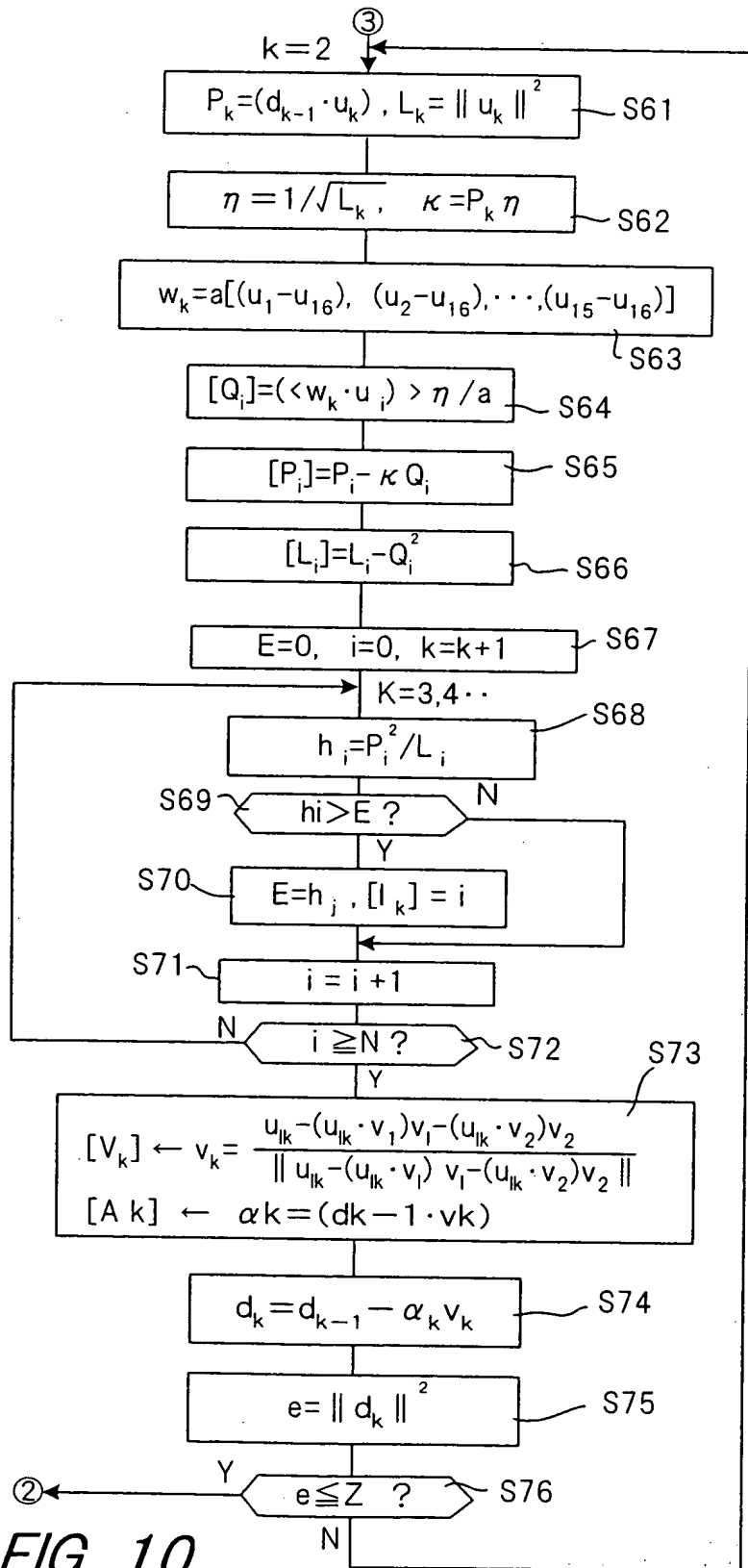


FIG. 10

EXPLANATION VIEW (1) OF DC NEST IN THE INVENTION

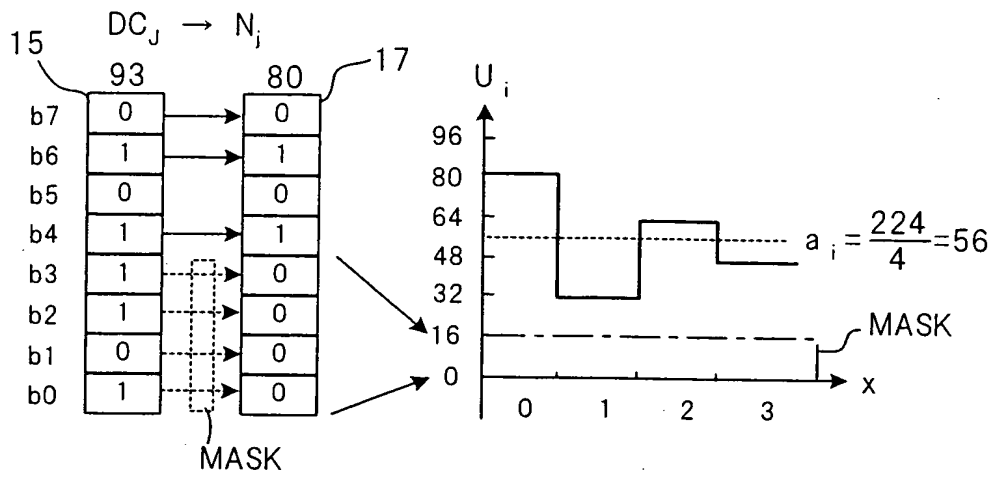


FIG. 11 (a)

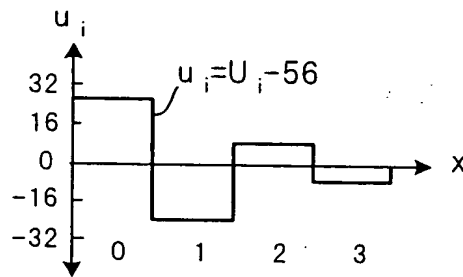


FIG. 11 (b)

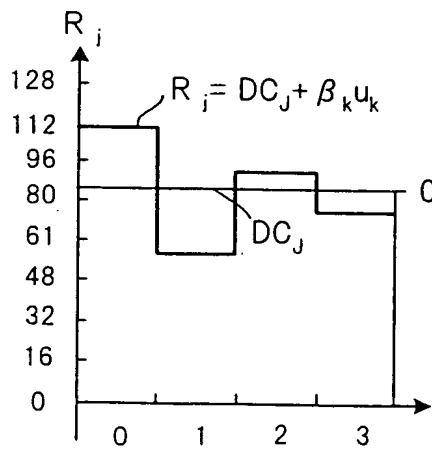


FIG. 11 (c)

EXPLANATION VIEW (2) OF DC NEST IN THE INVENTION

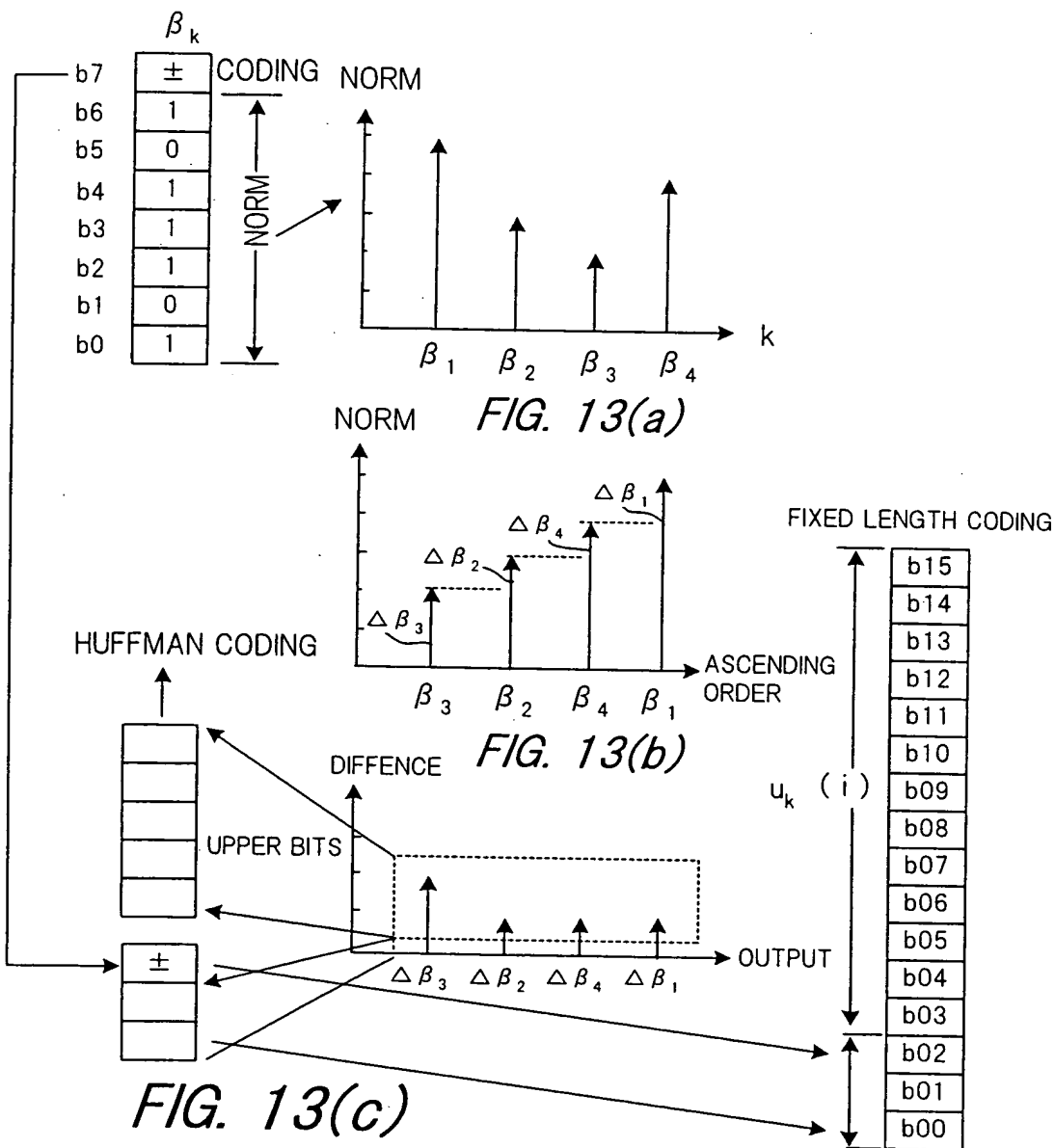
DC						N						u				
A	B	C	D	SUM	AV	A	B	C	D	SUM	AV	a	b	c	d	sum
93	35	73	50	251	62.75	80	32	64	48	224	56	24	-24	8	-8	0
0	0	0	0	1		0	0	0	0	1						
1	0	1	0	1		1	0	1	0	1						
0	1	0	1	1		0	1	0	1	1						
1	0	0	1	1		1	0	0	1	0						
1	0	1	0	1		0	0	0	0	0						
1	0	0	0	0		0	0	0	0	0						
0	1	0	1	1		0	0	0	0	0						
1	1	1	0	1		0	0	0	0	0						

FIG. 12 (a)

DC						N						u				
A	B	C	D	SUM	AV	A	B	C	D	SUM	AV	a	b	c	d	sum
93	35	73	50	251	62.75	93	35	73	50	240	60	33	-25	13	-10	11
0	0	0	0	1		0	0	0	0	1						
1	0	1	0	1		1	0	1	0	1						
0	1	0	1	1		0	1	0	1	1						
1	0	0	1	1		1	0	0	1	1						
1	0	1	0	1		1	0	1	0	0						
1	0	0	0	0		1	0	0	0	0						
0	1	0	1	1		0	1	0	1	0						
1	1	1	0	1		1	1	1	0	0						

FIG. 12 (b)

IMAGE DRAWING OF EXPANSION COEFFICIENT ENCODING PROCESSING



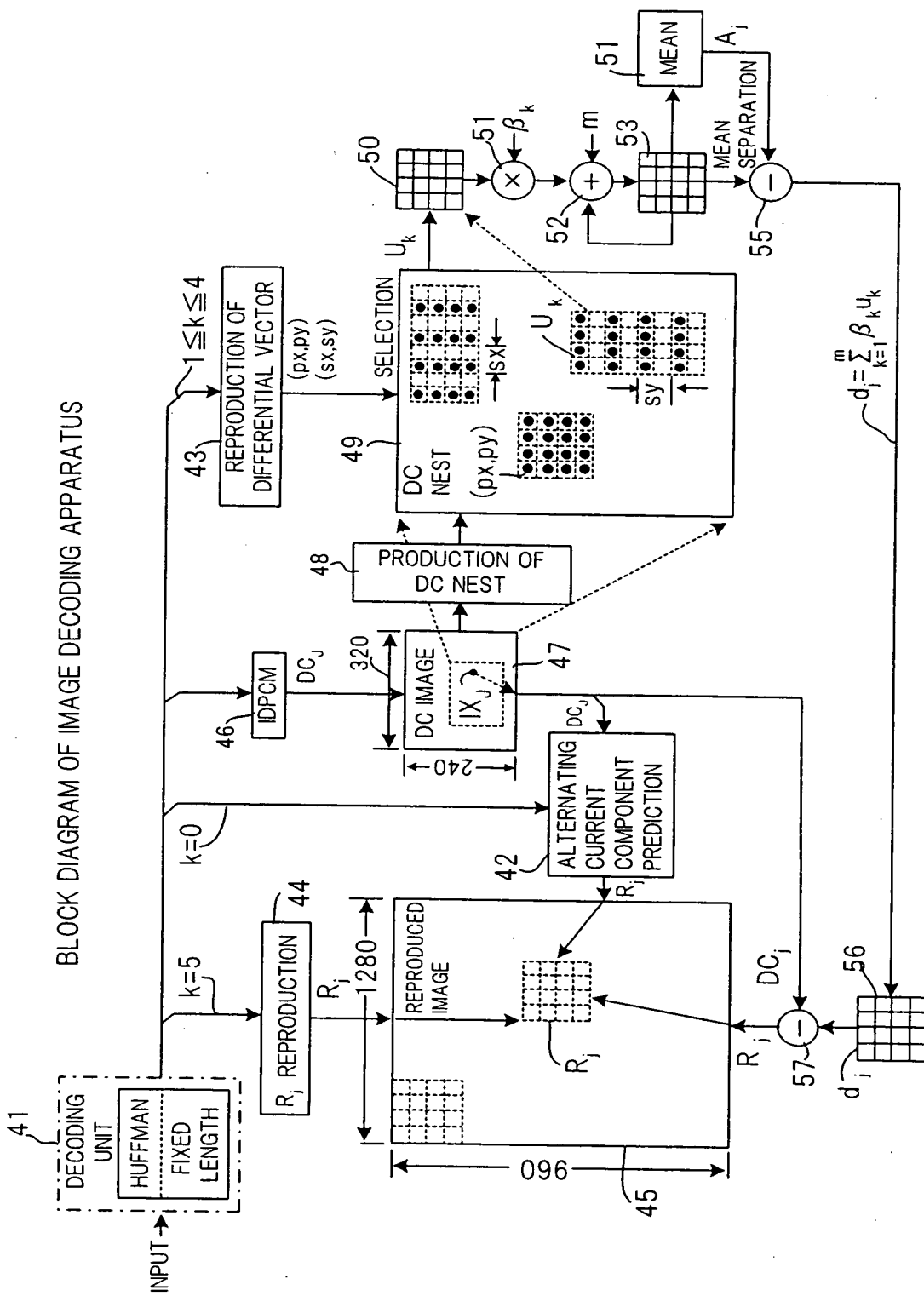


FIG. 14

FLOW CHART OF IMAGE DECODING PROCESSING IN THE INVENTION

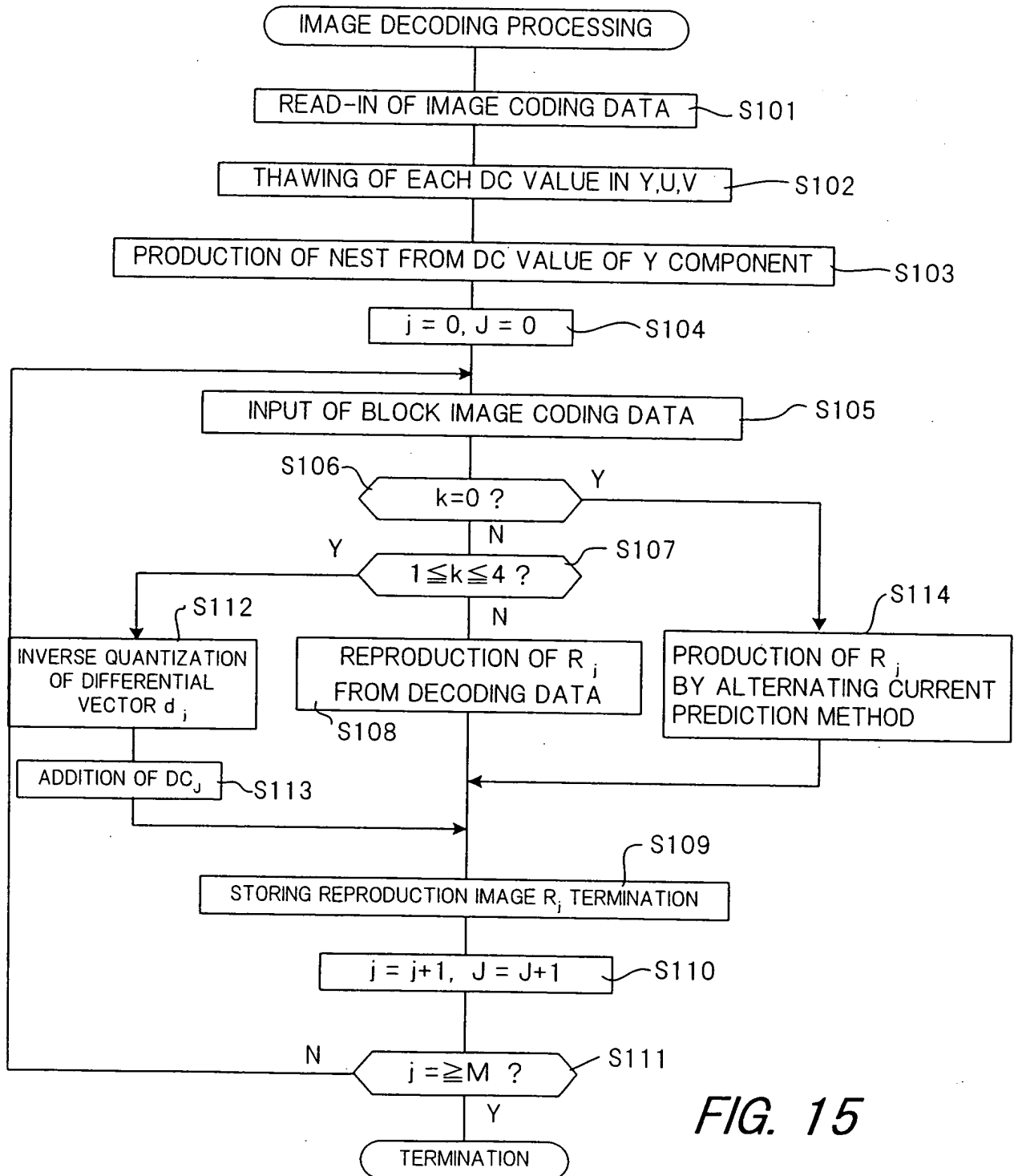


FIG. 15

IMAGE VIEW OF ALTERNATING CURRENT COMPONENT PREDICTION IN THE INVENTION

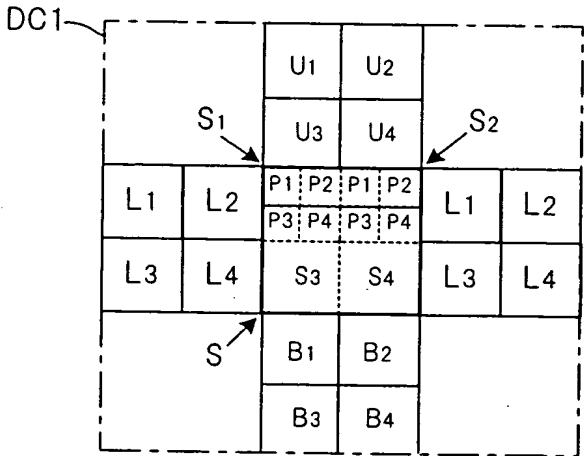


FIG. 16(A)

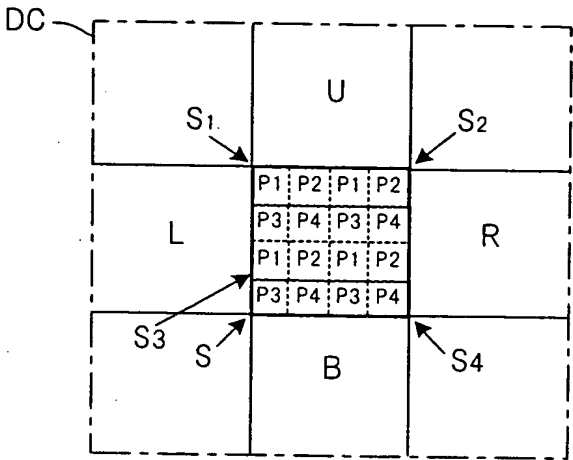


FIG. 16(A)